



I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231 on

January 27, 2004

Cynthia P. Scanio
Cynthia P. Scanio

January 27, 2004

Date

Serial No: 10/675,078
Filed: September 30, 2003
Applicant: Purnesh Seegopaul, et al.
Title: METHOD OF USING MOLYBDENUM CARBIDE CATALYST
Art Unit: 1754
Examiner: unknown
Atty. Dkt.: NANO/86DV
Conf. No.: 5093

Cincinnati, Ohio 45202

January 27, 2004

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of candor and good faith which is imposed by Rule 56 (37 C.F.R. §1.56), the art listed on the attached form PTO-1449 and PTO-892 filed in the parent application is called to the attention of the U.S. Patent and Trademark Office in connection with the above identified patent application. The pertinency of each of these disclosures is evident in the file wrapper of applicants' parent application Serial No. 09/817,523, filed March 26, 2001, upon which this divisional application is based. Accordingly, no further comment on the disclosures is believed necessary.

Copies of the cited references are in the parent case and thus copies are not submitted herewith.

No representation is made that the cited art is the only art or that the cited art represents the best art.

The Examiner is urged to consider the cited references and to make an independent decision with respect to their materiality.

Respectfully submitted,

WOOD, HERRON & EVANS, L.L.P.

A handwritten signature in black ink, appearing to read 'G. Lunn', is written over a horizontal line.

Gregory J. Lunn
Reg. No. 29,945

2700 Carew Tower
441 Vine Street
Cincinnati, OH 45202
(513) 241-2324 (voice)
(513) 421-7269 (facsimile)

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. NANO/86		SERIAL NO. 09/817,523	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT Purnesh Seegopaul and Lin Gao			
(Use several sheets if necessary)							
(37 CFR 1.98(b))				FILING DATE March 26, 2001		GROUP	

U.S. PATENT DOCUMENTS														
EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	A.A	3	0	7	7	3	8	5	02/12/63	W. L. Robb				01/06/59
	A.B	4	1	7	2	8	0	8	10/30/79	Boohm et al.				03/17/78
	A.C	4	1	9	0	4	3	9	02/26/80	Gortsema				10/21/75
	A.D	4	8	5	1	2	0	6	07/25/89	Boudart et al.				10/05/87
	A.E	5	2	3	0	7	2	9	07/27/93	McCandlish et al.				12/10/92
	A.F	5	3	5	2	2	6	9	10/04/94	McCandlish et al.				07/09/91
	A.G	5	3	7	2	7	9	7	12/13/94	Dun,ead et al.				04/21/93
	A.H	5	6	1	3	9	9	8	03/25/97	Seegopaul et al.				05/23/95
	A.I	5	7	2	8	1	9	7	03/17/98	Seegopaul et al.				07/17/96
	A.J	5	9	1	9	4	2	8	07/06/99	Gao et al.				12/05/96
	A.K													

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	A.L						
	A.M						
	A.N						
	A.O						
	A.P						
	A.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)		
	A.R	F. H. Ribeiro et al., <u>Preparation and Surface Composition of Tungsten Carbide Powders with High Specific Surface Area</u> , 1991 American Chemical Society, 805-812
	A.S	<u>Refractory Hard Metals, Tungsten Carbides</u> , Macmillan, New York, 1953
	A.T	

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

JAN 30 2004

Notice of References Cited

Application No.

817523

Applicant(s)

Seegopal et al

Examiner

Langel

Group Art Unit

1754

Page 2 of 3

U.S. PATENT DOCUMENTS

*	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A					
B					
C					
D					
E					
F					
G					
H					
I					
J					
K					
L					
M					

FOREIGN PATENT DOCUMENTS

*	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
O						
P						
Q						
R						
S						
T						

NON-PATENT DOCUMENTS

*	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
U	York, A.P.E., Claridge, J.B., Brungs, A.J., Tsang, S.C., Green, M.L.H., Chem Commun., 39-40 (1997)	1997 no month
✓	Claridge, J.B., York, A.P.E., Brungs, A.J., Marquez-Alvarez, C., Sloan, J., Tsang, S.C., Green, M.L.H., Journal of Catalysis, 180, 85 (1998)	1998 no month
X		

* A copy of this reference is not being furnished with this Office action.
(See Manual of Patent Examining Procedure, Section 707.05(a).)

Notice of References Cited

Application No.

817523

Applicant(s)

Seegopal et al

Examiner

Lange

Group Art Unit

1754

Page

3 of 3

U.S. PATENT DOCUMENTS

*	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A					
B					
C					
D					
E					
F					
G					
H					
I					
J					
K					
L					
M					

FOREIGN PATENT DOCUMENTS

*	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
O						
P						
Q						
R						
S						
T						

NON-PATENT DOCUMENTS

*	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
U	Saito, M., Anderson, R., J. Catal., 67(2), 296-302 (1981) (no month)	1981
V	Shamsi, A., Lyons, D., American Chemical Society, Division of Petroleum Chemistry, Volume 45(1), 132-134 (2000) (no month)	2000
X		

* A copy of this reference is not being furnished with this Office action.
(See Manual of Patent Examining Procedure, Section 707.05(a).)

Part of Paper No. 7